

Amendments to the Specification:

1. Please replace the paragraph that begins on page 3, line 10, i.e., paragraph [0008] of the published application, with the following amended paragraph:

In the present invention, the product and process design for such articles is considered as a single enterprise, rather than a collection of individual steps. Thus, the term “holistically” as used herein and in the appended claims means considering all aspects of the enterprise as a whole and the interdependence of its parts. Accordingly, “holistically designing the article to be made and the manufacturing process for making the article” as used herein and in the appended claims means to consider all aspects of the both the article and the manufacturing process and the interdependence of the article and the manufacturing process as well as the interdependence of each of the steps in the manufacturing process. Included among such aspects are life cycle considerations for both the article and the manufacturing process, for example, environmental impact, recycling, refabrication, and energy consumption considerations.

2. Please replace the paragraph that begins on page 8, line 3, i.e., paragraph [0025] of the published application, with the following amended paragraph:

The present invention also includes embodiments wherein a class of articles, instead of just a single article, is selected and then the class of articles and the manufacturing process are designed holistically and captured. The term “class of articles” as used herein and in the appended claims means a group of individual articles that share identity as to function and application, but differ only in particularities such as relative size and

specific features which are not necessary to the unifying function or application. One example of such a class of articles is a set of molds, each of which is usable with a particular injection molding machine. The function of each mold is the same, i.e., to receive and shape injected moldable material. The unifying application is the same, i.e., to fit a particular injection molding machine and act as the molding element thereon. However, the individual molds in this set may be different in particulars which are not necessary to this unifying application, such as the dimensions and contours of the molding surface that define the shape of the article that is to be molded. Another example of such a class is a set of cams that all have the same shape, but differ in relative size. In this case, the function of each of the cams is the same, i.e., to act as a cam. The unifying application here is to drive a contacting member along the particularly shaped path that is defined by the cam's contact surface. Particulars of the individual articles, such as relative size, that are not necessary for the cam to produce this particularly shaped path may differ from article to article within the class.